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New National Stage Application PRELIMINARY AMENDMENT

IN THE CLAIMS:

Please cancel claims 1-8 without prejudice or disclaimer, and add new claims 9-17 as shown in the detailed listing set forth below of all claims which were, or are, in the application:

Claims 1-8 (Canceled)

- 9. (New) An apparatus to assist a patient's respiration by delivering air to a patient through a mask, comprising:
- a blower to provide the patient with air under a treatment pressure,
- a control unit to adjust the pressure delivered by said blower at the level of said mask,
- a ramp module connected to the control unit in order to provide the control unit with a value of pressure P_M to settle at said mask, so that when said apparatus starts functioning, the pressure progressively rises until the pressure of treatment P_T ; and
- a comparator connected to the ramp module, at least one means for detecting the patient's breathing parameters and sending them to said comparator such that the comparator is able to determine whether an event $(E_1,\ E_2\ or\ E_3)$ occurs in patient's breathing based on said breathing parameters and to send the corresponding data to the ramp module which provides the control unit with a value of

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pressure P_{M} that will speed up with respect of time, so that the rise of pressure at patient's mask is accelerated within the time when the ramp is activated.

- 10. (New) The apparatus according to claim 9, wherein said ramp module provides the value of pressure P_m being a linear function of time wherein an increase coefficient K_{RP} is constant, said ramp module increasing that coefficient of a constant value K_E when the control unit sends a data corresponding to said event (E_1 , E_2 or E_3).
- 11. (New) The apparatus according to claim 9, wherein the value of pressure P_{M} has always maximum and/or minimum limits so that the increase of pressure is also limited in minimum and/or maximum.
- 12. (New) The apparatus according to claim 10, wherein said ramp module comprises a memory where a minimum coefficient K_{SRP} is stored, said ramp module always maintaining the coefficient K_{SRP} equal or greater than said minimum coefficient K_{SRP} , so that the ramp module provides the control unit with a value of pressure P_M always greater than a minimum limit.
- 13. (New) The apparatus according to claim 10, wherein said ramp module comprises a memory where a maximum coefficient K_{MRP} is

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stored, said ramp module always maintaining the coefficient K_{RP} equal or less than said maximum coefficient K_{MRP} , so that the ramp module provides the control unit with a value of pressure P_M always less than a maximum limit.

- 14. (New) The apparatus according to claim 9, wherein said means for detecting the patient's breathing parameters enable the control unit to compute the airflow at patient's mask, said comparator determining whether an event $(E_1, E_2 \text{ or } E_3)$ is occurring with the airflow parameters or shape.
- 15. (New) The apparatus according to claim 9, wherein the ramp module increases the value of pressure P_M when an anomaly in patient's breathing is detected.
- 16. (New) The apparatus of claim 15, wherein said anomaly is either snoring or apnea.
- 17. (New) The apparatus according to claim 9, wherein the ramp module increases the value of pressure P_M when the patient's breathing parameters correspond to a drop between awake breathing and asleep breathing or when they correspond to a stable frequency of breathing.